



UNITED STATES PATENT AND TRADEMARK OFFICE

cen

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/550,294 | 09/21/2005 | Pierre Benato | ASK-009 | 1923 |

32954 7590 10/09/2007
JAMES C. LYDON
100 DAINGERFIELD ROAD
SUITE 100
ALEXANDRIA, VA 22314

| |
|----------|
| EXAMINER |
|----------|

LE, UYEN CHAU N

| | |
|----------|--------------|
| ART UNIT | PAPER NUMBER |
|----------|--------------|

2876

| | |
|-----------|---------------|
| MAIL DATE | DELIVERY MODE |
|-----------|---------------|

10/09/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

| | | | |
|------------------------------|--------------------------------------|---------------------------------------|--|
| Office Action Summary | Application No. 10/550,294 | Applicant(s) BENATO, PIERRE | |
| | Examiner Uyen-Chau N. Le | Art Unit 2876 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 17 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Prelim. Amdt/Amendment

1. Receipt is acknowledged of the Amendment filed 07/17/2007.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Kayanakis (US 20010002035 A1).

Re claims 1-14: Kayanakis discloses a method for manufacturing an antenna of a hybrid contact-contactless or contactless smart card that includes a support on which the antenna is made, two card bodies on each side of the support, each of the card bodies consisting of at least one thermoplastic layer, and a chip or a module connected to the antenna, comprising the steps of depositing a layer of a material consisting essentially of resin on a predetermined zone on the antenna support, the zone corresponding to an imprint of the antenna or being slightly larger to the antenna, manufacturing the antenna including screen printing turns and two connection pads of electrically conductive ink on the zone prepared beforehand on the support and subjecting the support to a heat treatment in order to bake the ink; wherein the material layer is an offset ink; wherein the two card bodies are laminated on each side of the support in two steps, the first

Art Unit: 2876

lamination step comprising welding on each side of the antenna support two homogenous thermoplastic sheets by hot press moulding at a temperature sufficient for the material that makes up the sheets to soften and to flow completely so as to eliminate all differences in thickness of the support, and a second lamination step performed after a duration corresponding to the time required for the thermoplastic sheets to solidify, the second step comprising welding on the antenna support of constant thickness obtained after first lamination step two layers of plastic material, consisting the body of the card by hot press moulding; wherein the antenna comprising at least one turn of electrically conductive ink screen printed on the antenna support, two card bodies on each side of the support, each of the card bodies comprising at least one layer of plastic material, and a chip or module connected to the antenna; wherein the antenna comprising turns and two connection pads of conductive ink is screen printed on a zone of the antenna support, the zone corresponding to an imprint of the antenna or being slightly larger than the latter and on which a material consisting essentially of resin has been deposited (figs. 1-6; paragraphs [0026-0037]).

Response to Arguments

4. Applicant's arguments filed 07/17/2007 have been fully considered but they are not persuasive.

5. In response to the Applicant's argument with respect to "... Kayanakis fails to disclose or suggest the resin layer in zone on the antenna support, with the zone corresponding to an imprint of the antenna..." (p. 8, last paragraph), the Examiner respectfully disagrees and requests the Applicant to further review Kayanakis wherein an the internal soft PVC layer 34, which serves as resin layer being disposed on the imprint zone of antenna 42 (paragraph [0032]).

Art Unit: 2876

Accordingly, the claimed limitation, given the broadest reasonable interpretation, the internal layer 34 of Kayanakis meets resin layer as claimed the claim 1 due to the fact that the claims fail to specifically define the resin layer material and therefore, Kayanakis meets the claimed invention(see the rejection above).

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Uyen-Chau N. Le whose telephone number is 571-272-2397. The examiner can normally be reached on maxi-flex.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Lee can be reached on 571-272-2398. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2876

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Uyen-Chau N. Le
Primary Examiner
Art Unit 2876

October 1, 2007